



10501442 - GAU 0652  
IAP6 Rec'd PCT/PTO 06 MAR 2006

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

5

Application Number

10/501,442

Filing Date

July 13, 2004

First Named Inventor

Janne KEROVUO

Art Unit

unassigned

Examiner Name

unassigned

Attorney Docket Number

D2000-1WUS

### ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	- Form PTO-1449 (1 page + duplicate)
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	- 4 references
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	- Return receipt postcard
<input type="checkbox"/> Reply to Missing Parts/Incomplete Application	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		

Remarks

Customer number 29062

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Diversa Corporation		
Signature			
Printed name	Lynn M. Linkowski		
Date	March 2, 2006	Reg. No.	47,320

### CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name	Lynn M. Linkowski	Date	March 2, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /SS/



PATENT  
ATTORNEY DOCKET NO.: D2000-1WUS

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia, 22313-1450, on March 2, 2006.

Lynn Linkowski

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	KEROVUO et al.	Art Unit:	unassigned
Application No.:	10/501,442	Examiner:	unassigned
Filed:	July 13, 2004	Conf. No:	8134
Title:	A Pectate Lyases, Nucleic Acids Encoding Them and Methods for Making and Using Them		

**Mail Stop Amendment**  
Commissioner for Patents  
P.O. Box 1450  
Arlington, V.A., 22313-1450

**SUPPLEMENTARY INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. § 1.97 & 1.98**

Dear Sir:

In accordance with 37 C.F.R. §1.97 & 1.98, Applicant submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Copies of the documents are also submitted herewith. The Examiner is requested to make these documents of record.

The Information Disclosure Statement is submitted:

Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /SS/

In re Application of:  
KEROVUO et al.  
Application No.: 10/501,442  
Filing Date: July 13, 2004  
Page 2

PATENT

Attorney Docket No.: D2000-1WUS

Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein. A duplicate copy of the Form PTO-1449 is included herein for the Examiner's convenience.

The information contained in this Information Disclosure Statement under 37 C.F.R. §1.97 & 1.98 is not to be considered as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

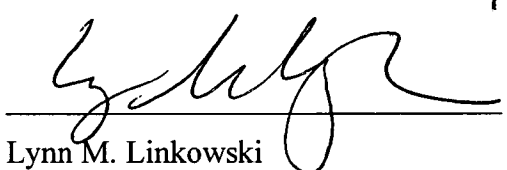
Although no fee is deemed necessary in connection with the filing of this Information Disclosure Statement, the Commissioner is hereby authorized to charge any fees associated with this communication or credit any overpayment to Deposit Account No. 50-0661.

Respectfully submitted,

Date:

3/2/06

Diversa Corporation  
Intellectual Property Department  
P.O. Box 910550  
San Diego, CA 92121  
**Customer No. 29062**

  
Lynn M. Linkowski  
Reg. No. 47,320  
Telephone: (858) 526-5450  
Facsimile: (858) 526-5950

Substitute for Form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY  
APPLICANT

(Use as many sheets as necessary)

Application Number 10/501,442

Filing Date July 13, 2004

First Named Inventor KEROVUO, Janne

Docket Number D2000-1WUS

Examiner Name To Be Assigned

Art Unit To Be Assigned

Mailing Date Januray 6, 2005

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Publication Date (MM-DD-YYYY)	Document No. Number-Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	07/10/2001	6,258,590	Lange, et. al.	
	2.	04/09/2002	6,368,843 B1	Andersen, et al.	

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite <sup>1</sup> No.	Publication Date (MM-DD-YYYY)	Document No. Country Code <sup>3</sup> - Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>

## NON PATENT LITERAURE DOCUMENTS

Examiner Initials	Cite <sup>1</sup> No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, volume-issue number(s), page(s), publisher, city and/or country where published.	T <sup>6</sup>
	3.	NELSON, et. Al., "Pectate lyase", NCBI Database AAD35518, June, 1, 1999.	
	4.	BROWN, et. al., "Pectate lyase 10A, from <i>Pseudomonas cellulosa</i> is a modular enzyme containing a family 2a carbohydrate-binding module, <i>Biochem J.</i> , 2001, 355:155-165.	

EXAMINER: /Sheridan Swope/ (02/16/2008)

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

SEND COMPLETED FORM TO: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450